INDEX to Volume IX, 1952–1953

Figures in heavy type preceding page references indicate the parts of *The Advancement of Science* in which references will be found.

Titles of communications are frequently abbreviated.

ABBOTT, B. C., Frogs, men, snails, dogfish, **35,** 330
ADAMS, G. B., History of the Field Club, **35,** 327
ADAMS, Dr. G. F., Ageing, medical-social aspect, **35,** 330, **36,** 405
Adjustment in childhood, Prof. J. E. Anderson, **33,** 85
ADRIAN, Dr. E. D., Olfactory stimulation in the mammal, **35,** 330, **36,** 417
Aeronautical science and engineering, Sir Ben Lockspeiser, **34,** 171, **35,** 329
Afforestation in N. Ireland, history of, J. Pimlott, **35,** 297, 331
Afforestation of moorland, **35,** 335
Africans, education of, A. L. Binns, **34,** 236, **35,** 332
Age, physical, mental skills of, A. T. Welford, **35,** 330, 335
Ageing, medical-social aspect, Dr. G. F. Adams, **35,** 330, **36,** 405
Agricultural education and research, Prof. A. E. Muskett, **35,** 332
Agriculture, application of new knowledge and techniques, Dr. R. Harper, **35,** 330, 335
Agrostis, breeding affinities of, W. Ellis Davies, **35,** 331, 335
cytology of, Keith Jones, **35,** 331, 335
AHERN, B. J., Industrial problems of N. Ireland, **35,** 328, **36,** 391
AHMAD, Dr. Nazir, Textile fibres of Pakistan, **35,** 283
Aircraft, engineering problems of conditioning for human occupation, **35,** 330, 335, **36, 383**
Alchemy and alchemists, Prof. John Read, F.R.S., **33,** 25
Alimentary canal, nervous control of movement of, Prof. R. C. Garry, **34,** 197, **35,** 330
ALLISON, Dr. R. S., Cerebral function in brain-storm injury, **35,** 331
Ambition, attitude towards, Miss S. B. N. Shimmin, **33,** 83
Aminoaciduria, comparative biochemistry of, Dr. S. O. Datta, **35,** 330
Amoeba, in locomotion and division, Dr. R. J. Goldacre, **35,** 327, 333
AMOS, Dr. A. J., Chemistry of breadmaking, **35,** 326
Anatolia, routes of trade, conquest, migration, W. C. Brice, **35,** 329
Ancillary aids to archaeology, K. D. M. Dauncey, Dr. Axel Steensberg, R. C. J. Atkinson, **33,** 31
ANDERSON, Prof. J. E., Adjustment in childhood, **33,** 85
ANDERSON, Prof. Mark L., Forest policy, sustention and maximum benefit, **35,** 331
Animal husbandry, Prof. J. Morrison, **35,** 332, 335
ANSTEY, Dr. E., Psychology in Civil Departments, **33,** 83
Antibiotics and the animal protein factor, Dr. F. J. Cuthbertson, **35,** 330
in animal nutrition, Dr. S. K. Kon, **35,** 330, 335
mode of action, Dr. M. E. Coates, **35** 330, 334
Antidiuretic hormone, release of, Dr. Mary Pickford, **33,** 62
Antiquities, ancient monuments, research on materials, L. Bick, **35,** 329, **36, 435**
Ants, behaviour patterns, Dr. S. M. Vowles, **35,** 327
Archaeology, Folklore and sacred tradition, Prof. E. O. James, **34,** 184, **35,** 329
Archaeology, N. Ireland (1931–51), Prof. E. Estyn Evans, **35,** 329
Arenicola marina L., breeding of in British Isles, Miss A. Duncan, **35,** 328
ARIF, Dr. A. G., Melampsora lini, physiologic specialisation, **35,** 331
ARTHURS, J. B., Celtic belief and custom, its influence on Irish Christianity, **35,** 329
ASHBY, Dr. Eric, University teaching of a botanist, **35,** 331, 335
ASKEW, R., Higher education of the deaf, **35,** 332, 335, **36, 441**
ATKINSON, R. C. J., Electrical methods of prospection in archaeology, **33,** 36

BAILEY, Sir Edward, F.R.S., A hundred years of geology, **33,** 9
BAIRD, J. C., Crop husbandry, **35,** 332
Balance of payments, Irish Republic's, Prof. G. A. Duncan, **35,** 329
BALLANTINE, Miss D., Biology of Loch of Reiff, **35,** 328
Bank rate, rediscovery of, J. Lanner, **34,** 329
BANKS, A. R. C., Statistical analysis in educational research, **33,** 85
BARCLAY, Dr. J. A., Role of the kidney in control of body water, **33,** 66
Barnacles, seasonal settlement in British waters, Drs. D. J. Crisp, P. N. J. Chipperfield, **35,** 328
BARTON, Dr. D. H. R., Progress in organic chemistry, **35,** 326, **36,** 368
Basalt lavas, Antrim plateau, E. M. Patterson, **35,** 327
Basic mental operations, Prof. G. P. Meredith, **35,** 330
BATES, Prof. D. R., upper atmospheric physics, **35,** 287, 326, 332
Belfast and its region, Prof. E. Estyn Evans, **35,** 328
Belfast Meeting, **35,** 259 ; officers, **35,** 351
Belfast, social geography, Dr. Emrys Jones, **35,** 328
BELL, Dr. P. R., University teaching of a botanist, **35,** 331, 335
BERGIN, Dr. K. G., Biology of flying, **53,** 330, 334, **36,** 375
BIEK, L., Antiquities, ancient monuments and research on materials, **35,** 329, **36,** 435
BINNS, A. L., Education of Africans in E. and Central Africa, **34,** 236, **35,** 332
Biologically significant macromolecules, Prof. M. Stacey, **35,** 271, 333
Biology of flying, Dr. K. G. Bergin, **53,** 330, 334, **36,** 375
BIRCH, J. D., Manx agricultural landscape, **35,** 328
BLACKLER, Dr. Helen, Lough Foyle, biology, **35,** 328, 333
Body water, symposium, Prof. G. de Hevesy, Prof. Hans M. Ussing, Dr. Mary Pickford, Dr. J. A. Barclay, **33,** 57
Botany of flax, **35,** 335
BOWEN-JONES, H., Land reform in Calabria, **35,** 328
BOYD, Dr. R. L. F., Ionic constituents in gaseous discharges, **35,** 326
BRICE, W. C., Routes of trade, conquest, migration in early Anatolia, **35,** 329
BRONOWSKI, Dr. J., Logic of experiment, **35,** 289, 326
BROOKFIELD, Dr. H. C., Cork city in the nineteenth century, **35,** 328
BROWN, J. J., Work of the Field Club, **35,** 327
BROWN, J. M. B., Indicator plants, **35,** 331
BROWNELL, R. S., Education in N. Ireland, **35,** 331
BRUCE, C. E. R., Leader strokes of lightning and spark discharges, **35,** 326
BUCHANAN, Prof. R. Ogilvie, Settlement in overseas dominions, **34,** 149, **35,** 328
BULLOUGH, Dr. W. S., Hormones and skin replacement, **35,** 327, 333
BURSTEIN, Miss S. R., Public health in primitive communities, **33,** 75
Adjustment to old age, **35,** 330
BUSH, Sir Cyril, Statistical analysis in educational research, **33,** 85
BUTLAND, Dr. G. J., Settlement changes in Magallanes and Aysen, **35,** 328
BUTLER, Dr. C. G., Worker honey-bees, **35,** 327, 333
BUTLER, Prof. J. Bayley, Marine algae, growth of, Dollywater, Dublin, **35,** 331

Calabria, land reform in, H. Bowen-Jones, **35,** 328
CALDWELL, J. B., Bending strength of corrugated plate, **35,** 329, 334
CALLAN, Prof. H. G., Amphibian oocyte nuclei, **35,** 327, 333
Carboniferous succession in N. Ireland, Prof. T. N. George, Dr. I. M. Simpson, D. H. Oswald, A. Fowler, **35,** 327
CARTER, Prof. C. F., Troubles of transport, **35,** 329, 334
CARTER, H., Growth and grading of towns in S.W. Wales, **35,** 328
CASHMORE, W. H., Engineering problems of small farms, **35,** 332, 335
CASSIE, Dr. A. B. D., Moisture relations and clothing comfort, **35,** 326, 332
Castles in N. Ireland, excavation and study of, D. M. Waterman, **35,** 329
Celtic belief and custom, its effect on Irish Christianity, J. B. Arthurs, **35,** 329
Cerebral function in brain-stem injury, Dr. R. S. Allison and P. McEwen, **35,** 331
Change, resistance to, Prof. C. A. Mace, **35,** 330, 335
CHARLESWORTH, Prof. J. Keye, British pleistocene, **35,** 328
Geology of Belfast district, **35,** 327
CHARLTON, T. M., Analysis of statically indeterminate structures, **35,** 329, 334
Chemical engineering in industry, **35,** 334
Chemical engineer in industry, Dr. E. H. T. Hoblyn, **35,** 329, 334
Chemical engineers, training of, Prof. A. M. Newitt, **35,** 329, 334
Chemistry, advancing front of, Prof. W. Wardlaw, **34,** 113, 326 ; others, **36,** 368
Chemistry and food processing, **35,** 333
Chemistry of breadmaking, Dr. A. J. Amos, **35,** 326
Chemistry of fish processing, Dr. J. A. Lovern, **35,** 326, 333
Chemoreception in honey-bee, C. D. Glynne Jones, **35,** 327, 333
Childbirth, changes in social participation, Miss M. Woodward, **35,** 330
CHIPPERFIELD, Dr. P. N. J., Seasonal settlement of barnacles in British waters, **35,** 328
Choice and judgment, B. M. Foss, **35,** 331
Ciliary feeders, digestive mechanisms, J. E. Morton, **35,** 328
Ciliate protozoa, role of in ruminant digestion, Dr. A. E. Oxford and Dr. Brenda Sugden, **35,** 328, 333
Civil departments, application of psychology, Dr. E. Anstey, **33,** 83

INDEX to Volume IX, 1952–1953

Figures in heavy type preceding page references indicate the parts of *The Advancement of Science* in which references will be found.

Titles of communications are frequently abbreviated.

ABBOTT, B. C., Frogs, men, snails, dogfish, **35,** 330
ADAMS, G. B., History of the Field Club, **35,** 327
ADAMS, Dr. G. F., Ageing, medical-social aspect, **35,** 330, **36,** 405
Adjustment in childhood, Prof. J. E. Anderson, **33,** 85
ADRIAN, Dr. E. D., Olfactory stimulation in the mammal, **35,** 330, **36,** 417
Aeronautical science and engineering, Sir Ben Lockspeiser, **34,** 171, **35,** 329
Afforestation in N. Ireland, history of, J. Pimlott, **35,** 297, 331
Afforestation of moorland, **35,** 335
Africans, education of, A. L. Binns, **34,** 236, **35,** 332
Age, physical, mental skills of, A. T. Welford, **35,** 330, 335
Ageing, medical-social aspect, Dr. G. F. Adams, **35,** 330, **36,** 405
Agricultural education and research, Prof. A. E. Muskett, **35,** 332
Agriculture, application of new knowledge and techniques, Dr. R. Harper, **35,** 330, 335
Agrostis, breeding affinities of, W. Ellis Davies, **35,** 331, 335
cytology of, Keith Jones, **35,** 331, 335
AHERN, B. J., Industrial problems of N. Ireland, **35,** 328, **36,** 391
AHMAD, Dr. Nazir, Textile fibres of Pakistan, **35,** 283
Aircraft, engineering problems of conditioning for human occupation, **35,** 330, 335, **36, 383**
Alchemy and alchemists, Prof. John Read, F.R.S., **33,** 25
Alimentary canal, nervous control of movement of, Prof. R. C. Garry, **34,** 197, **35,** 330
ALLISON, Dr. R. S., Cerebral function in brain-storm injury, **35,** 331
Ambition, attitude towards, Miss S. B. N. Shimmin, **33,** 83
Aminoaciduria, comparative biochemistry of, Dr. S. O. Datta, **35,** 330
Amoeba, in locomotion and division, Dr. R. J. Goldacre, **35,** 327, 333
AMOS, Dr. A. J., Chemistry of breadmaking, **35,** 326
Anatolia, routes of trade, conquest, migration, W. C. Brice, **35,** 329
Ancillary aids to archaeology, K. D. M. Dauncey, Dr. Axel Steensberg, R. C. J. Atkinson, **33,** 31
ANDERSON, Prof. J. E., Adjustment in childhood, **33,** 85
ANDERSON, Prof. Mark L., Forest policy, sustention and maximum benefit, **35,** 331
Animal husbandry, Prof. J. Morrison, **35,** 332, 335
ANSTEY, Dr. E., Psychology in Civil Departments, **33,** 83
Antibiotics and the animal protein factor, Dr. F. J. Cuthbertson, **35,** 330
in animal nutrition, Dr. S. K. Kon, **35,** 330, 335
mode of action, Dr. M. E. Coates, **35** 330, 334
Antidiuretic hormone, release of, Dr. Mary Pickford, **33,** 62
Antiquities, ancient monuments, research on materials, L. Bick, **35,** 329, **36, 435**
Ants, behaviour patterns, Dr. S. M. Vowles, **35,** 327
Archaeology, Folklore and sacred tradition, Prof. E. O. James, **34,** 184, **35,** 329
Archaeology, N. Ireland (1931–51), Prof. E. Estyn Evans, **35,** 329
Arenicola marina L., breeding of in British Isles, Miss A. Duncan, **35,** 328
ARIF, Dr. A. G., Melampsora lini, physiologic specialisation, **35,** 331
ARTHURS, J. B., Celtic belief and custom, its influence on Irish Christianity, **35,** 329
ASHBY, Dr. Eric, University teaching of a botanist, **35,** 331, 335
ASKEW, R., Higher education of the deaf, **35,** 332, 335, **36, 441**
ATKINSON, R. C. J., Electrical methods of prospection in archaeology, **33,** 36

BAILEY, Sir Edward, F.R.S., A hundred years of geology, **33,** 9
BAIRD, J. C., Crop husbandry, **35,** 332
Balance of payments, Irish Republic's, Prof. G. A. Duncan, **35,** 329
BALLANTINE, Miss D., Biology of Loch of Reiff, **35,** 328
Bank rate, rediscovery of, J. Lanner, **34,** 329
BANKS, A. R. C., Statistical analysis in educational research, **33,** 85
BARCLAY, Dr. J. A., Role of the kidney in control of body water, **33,** 66
Barnacles, seasonal settlement in British waters, Drs. D. J. Crisp, P. N. J. Chipperfield, **35,** 328
BARTON, Dr. D. H. R., Progress in organic chemistry, **35,** 326, **36,** 368
Basalt lavas, Antrim plateau, E. M. Patterson, **35,** 327
Basic mental operations, Prof. G. P. Meredith, **35,** 330
BATES, Prof. D. R., upper atmospheric physics, **35,** 287, 326, 332
Belfast and its region, Prof. E. Estyn Evans, **35,** 328
Belfast Meeting, **35,** 259 ; officers, **35,** 351
Belfast, social geography, Dr. Emrys Jones, **35,** 328
BELL, Dr. P. R., University teaching of a botanist, **35,** 331, 335
BERGIN, Dr. K. G., Biology of flying, **53,** 330, 334, **36,** 375
BIEK, L., Antiquities, ancient monuments and research on materials, **35,** 329, **36,** 435
BINNS, A. L., Education of Africans in E. and Central Africa, **34,** 236, **35,** 332
Biologically significant macromolecules, Prof. M. Stacey, **35,** 271, 333
Biology of flying, Dr. K. G. Bergin, **53,** 330, 334, **36,** 375
BIRCH, J. D., Manx agricultural landscape, **35,** 328
BLACKLER, Dr. Helen, Lough Foyle, biology, **35,** 328, 333
Body water, symposium, Prof. G. de Hevesy, Prof. Hans M. Ussing, Dr. Mary Pickford, Dr. J. A. Barclay, **33,** 57
Botany of flax, **35,** 335
BOWEN-JONES, H., Land reform in Calabria, **35,** 328
BOYD, Dr. R. L. F., Ionic constituents in gaseous discharges, **35,** 326
BRICE, W. C., Routes of trade, conquest, migration in early Anatolia, **35,** 329
BRONOWSKI, Dr. J., Logic of experiment, **35,** 289, 326
BROOKFIELD, Dr. H. C., Cork city in the nineteenth century, **35,** 328
BROWN, J. J., Work of the Field Club, **35,** 327
BROWN, J. M. B., Indicator plants, **35,** 331
BROWNELL, R. S., Education in N. Ireland, **35,** 331
BRUCE, C. E. R., Leader strokes of lightning and spark discharges, **35,** 326
BUCHANAN, Prof. R. Ogilvie, Settlement in overseas dominions, **34,** 149, **35,** 328
BULLOUGH, Dr. W. S., Hormones and skin replacement, **35,** 327, 333
BURSTEIN, Miss S. R., Public health in primitive communities, **33,** 75
Adjustment to old age, **35,** 330
BUSH, Sir Cyril, Statistical analysis in educational research, **33,** 85
BUTLAND, Dr. G. J., Settlement changes in Magallanes and Aysen, **35,** 328
BUTLER, Dr. C. G., Worker honey-bees, **35,** 327, 333
BUTLER, Prof. J. Bayley, Marine algae, growth of, Dollywater, Dublin, **35,** 331

Calabria, land reform in, H. Bowen-Jones, **35,** 328
CALDWELL, J. B., Bending strength of corrugated plate, **35,** 329, 334
CALLAN, Prof. H. G., Amphibian oocyte nuclei, **35,** 327, 333
Carboniferous succession in N. Ireland, Prof. T. N. George, Dr. I. M. Simpson, D. H. Oswald, A. Fowler, **35,** 327
CARTER, Prof. C. F., Troubles of transport, **35,** 329, 334
CARTER, H., Growth and grading of towns in S.W. Wales, **35,** 328
CASHMORE, W. H., Engineering problems of small farms, **35,** 332, 335
CASSIE, Dr. A. B. D., Moisture relations and clothing comfort, **35,** 326, 332
Castles in N. Ireland, excavation and study of, D. M. Waterman, **35,** 329
Celtic belief and custom, its effect on Irish Christianity, J. B. Arthurs, **35,** 329
Cerebral function in brain-stem injury, Dr. R. S. Allison and P. McEwen, **35,** 331
Change, resistance to, Prof. C. A. Mace, **35,** 330, 335
CHARLESWORTH, Prof. J. Keye, British pleistocene, **35,** 328
Geology of Belfast district, **35,** 327
CHARLTON, T. M., Analysis of statically indeterminate structures, **35,** 329, 334
Chemical engineering in industry, **35,** 334
Chemical engineer in industry, Dr. E. H. T. Hoblyn, **35,** 329, 334
Chemical engineers, training of, Prof. A. M. Newitt, **35,** 329, 334
Chemistry, advancing front of, Prof. W. Wardlaw, **34,** 113, 326 ; others, **36,** 368
Chemistry and food processing, **35,** 333
Chemistry of breadmaking, Dr. A. J. Amos, **35,** 326
Chemistry of fish processing, Dr. J. A. Lovern, **35,** 326, 333
Chemoreception in honey-bee, C. D. Glynne Jones, **35,** 327, 333
Childbirth, changes in social participation, Miss M. Woodward, **35,** 330
CHIPPERFIELD, Dr. P. N. J., Seasonal settlement of barnacles in British waters, **35,** 328
Choice and judgment, B. M. Foss, **35,** 331
Ciliary feeders, digestive mechanisms, J. E. Morton, **35,** 328
Ciliate protozoa, role of in ruminant digestion, Dr. A. E. Oxford and Dr. Brenda Sugden, **35,** 328, 333
Civil departments, application of psychology, Dr. E. Anstey, **33,** 83

Classification, problems of, E. Elliott, **35**, 330, 335
CLEWS, J., Irish worker and English industry, **35**, 328, 334
Climatic change, A.D. 1300, Dr. Axel Steinsberg, **33**, 31
Clinical Psychology, Miss N. A. Davidson, **33**, 86
Coalfields, Scottish, geographical distribution of productivity, D. J. Sinclair, **35**, 328
COATES, Dr. M. E., Action of antibiotics, **35**, 330, 334
Cold electron emission, Dr. C. Grey Morgan, **35**, 326
COLLINGWOOD, Dr. E. F., Theory of functions, **35**, 326, 332
COLLINS, A. E. P., Neolithic pottery in N. Ireland, **35**, 329
Colour vision, Dr. R. W. Pickford, **33**, 82
Conifers, exotic, W. N. Gibson, **35**, 331, 335
CONWAY, Dr. B. E., Physical chemistry of deoxyribonucleic acid, **35**, 327, 333
COOMBS, A. G. H., Shot peening and fatigue life of steel, **35**, 329
COPE, R. N., Silurian rocks, Co. Tipperary, **35**, 327
Copepods, ascidicolous, R. V. Gotto, **35**, 328
Cork city in the nineteenth century, Dr. H. C. Brookfield, **35**, 328
Corresponding Societies, Belfast 1952, **35**, 304
Corrugate plate, bending strength of, J. B. Caldwell, **35**, 329, 334
Cosmic ray studies, P. H. Fowler, **35**, 326
Council's Report, 1951–2, **35**, 336
COWIE, Dr. Valerie, Phenylketonuria, **35**, 330, 334
Craven, Yorks, nineteenth century muster list, R. Lawton, **35**, 328
CRISP, Dr. D. J., Seasonal settlement of barnacles in British waters, **35**, 328
CROMIE, A., Farming in N. Ireland, **35**, 332
Crop husbandry, J. C. Baird, **35**, 332
CROWN, Dr. S., Experimental studies in psychiatry, **33**, 86
CUTHBERT, N., Industrial location in N. Ireland *vis-à-vis* U.K., **35**, 328
CUTHBERTSON, Dr. F. T., Antibiotics and the mineral protein factor, **35**, 330

DATTA, Dr. S. P., Aminoaciduria, biochemistry of, **35**, 330
DAUNCEY, K. D. M., Ancillary aids to archaeology, **33**, 31
DAVIDSON, Miss M. A., Clinical psychology, **33**, 86
DAVIES, Dr. O., Climatic sequence during the Pleistocene, S. Africa, **35**, 329
DAVIES, W. Ellis, Agrostis, breeding affinities, **35**, 331, 335
DAVIS, Dr. Hallowell, Inner ear, **35**, 330, 334, **36**, 420
Deaf, education of, totally, Sir R. Paget, **35**, 332, **36**, 437
higher education, R. Askew, **35**, 332, 335
DEANE, C. D., Vertebrate fauna of Ulster, **35**, 328
Defence services, application of psychology, Dr. N. A. B. Wilson, **33**, 83
Denmark, small farms in, R. Ede, **35**, 332, 335
Deoxyribonucleic acid, chemistry of, Dr. B. E. Conway, **35**, 327, 333
DOLLAR, Dr. A. T. J., Explosive fissure eruption, arctic, **35**, 327
DOYLE, Prof. J., Gynospore or megaspore, **35**, 331
Dragonflies, Irish, Col. N. MacNeill, **35**, 328, 333
DREVER, Prof. J., Teaching of psychology, **33**, 82
DRINKWATER, J., Biology of Loch of Reiff, **35**, 328
DUNCAN, Miss A., Arenicola marina L., breeding of, **35**, 328
DUNCAN, Prof. G. A., Irish Republic's balance of payments, **35**, 329
DURY, Dr. G. H., Underfit rivers, **35**, 328

EBLING, Dr. F. J., Lough Ine, fauna, **35**, 328, 333
Echinoderm populations, evolution and growth, K. A. Joysey, **35**, 327
Economics and sincerity, Prof. G. L. S. Shackle, **35**, 329, 334
Economics, fifty years of, Prof. H. O. Meredith, **35**, 328
EDE, R., Small farms in Denmark, **35**, 332, 335
Edinburgh, in the history of zoological science, Sir J. G. Kerr, F.R.S., **33**, 19
Meeting, officers for, **33**, 87
Education, higher technological, Maj.-Gen. C. Lloyd, **35**, 332, 335
in N. Ireland, R. S. Brownell, **35**, 331
of backward children, E. S. Thomas and K. Harrison, **35**, 332, 335
of the deaf, Prof. A. W. Ewing, **35**, 332, 335, **36**, 446
Educational research, statistical analysis in, Sir Cyril Burt, D. R. C. Banks, **33**, 85
Educational selection, D. McMahon, **33**, 85
EDWARDS, C., Marinogammarus, ecology of, **35**, 328
Election, N. Ireland, study of an, G. D. Neill, **35**, 329, 334
Electrical breakdown of gases, Prof. F. Llewellyn Jones, **35**, 326
Electrical discharges in gases, **35**, 332
Electrolytes and water, transport through living membranes, Prof. Hans H. Ussing, **33**, 60
ELLIOTT, E., Problems of classification, **35**, 330, 335
EMELEUS, Prof. K. G., Ionic oscillations, **35**, 326
Endeavour prize essay, Miss A. Forrest, **33**, 45
Energy into nerve impulses, **36**, 417
ENGEL, Dr. A. von, High frequency discharges in gases, **35**, 326
Entropy, J. W. Herivel, **35**, 326
Enzymes for building starches, Dr. G. A. Gilbert, **35**, 327
Estate forestry, N. Ireland, Marquess of Hamilton, **35**, 221
Ether, problem of, Rt. Hon. Viscount Samuel, **33**, 3
Ethical dilemma of science, Prof. A. V. Hill, **34**, 93
Europe, western, local transport and urban relationships, F. H. W. Green, **35**, 328, 334
EVANS, Prof. E. Estyn, Archaeology, N. Ireland (1921–51), **35**, 329
Belfast and its region, **35**, 328
EVANS, Sir Geoffrey, Land settlement in tropical areas, **33**, 51
EWING, Prof. A. W. G., Education of the deaf, **35**, 332, 335, **36**, 446
Experiment, The Logic of, Dr. J. Bronowski, **33**, 289, 326
Experimental physics, British contributions to, Prof. A. M. Tyndall, **34**, 103, 326
EYLES, V. A., Interbasaltic laterites in Co. Antrim, **35**, 327, 333
EYSENCK, Dr. H. J., Social attitude research, **33**, 84

Familial methaemoglobinaemia, Prof. D. C. Harrison, **35**, 330
Family life, concepts of in adolescence, Miss A. J. Phillips, **35**, 332
Farm transport, primitive, in N. Ireland, G. B. Thompson, **35**, 329
Farmer's attitude to new methods, Prof. R. Rae, **35**, 330, 335
Farming in N. Ireland, A. Cromie, **35**, 332
Farms, small, engineering problems of, W. H. Cashmore, **35**, 332, 335
FARRINGTON, Dr. A., Glacial refuges in S. and W. Ireland, **35**, 328
Fauna and flora, immigration into Ireland in glacial times, G. F. Mitchell, **35**, 328
FAY, Dr. C. R., Tenant right in Ulster, **35**, 328
Fibres old and new, **35**, 333
Field club, history of, G. B. Adams, **35**, 327
work of, J. J. Brown and W. J. Weatherup, **35**, 327
Field patterns in Devon, A. H. Shorter, **35**, 328
Fissure eruption, explosive, arctic, Dr. A. T. J. Follar, **35**, 327
Fitting the job to the sailor, K. F. H. Murrell, **35**, 330, 335
Flax, botany of, Maj. G. O. Searle, **35**, 331
seed health in, Prof. A. E. Muskett, **35**, 331
weed control in, K. Holly, **35**, 331, 335
Flying boat air liner, development, H. Knowler, **35**, 329, 334
Food supplies, Britain's, Dr. N. C. Wright, **34**, 245, **35**, 332
FORD, T. D., Unconformity, Ingleton coalfield, **35**, 327
Forest policy, sustension and maximum benefit, **35**, 331
Forests in N.W. America, K. F. Parkin, **35**, 331
FORREST, Miss Aileen, Origin of Life, **33**, 45
FOSS, B. M., Choice and judgment, **35**, 331
Fourknocks, Co. Meath, excavations at, P. J. Hartnett, **35**, 329
FOWLER, A., Lough Neagh basin, structure of, Permian of Grange, Co. Tyrone, **35**, 327
FOWLER, P. H., Cosmic ray studies, **35**, 326
FRASER, D. C., Transfer of training, **35**, 330, 335
FRISBY, Dr. C. B., Field research in industrial psychology, **33**, 83
Frogs, men, snails, dogfish, B. C. Abbott and Dr. D. R. Wilkie, **35**, 330
Full employment in retrospect, Prof. D. T. Jack, **34**, 159, **35**, 328
Functions, theory of, Dr. E. F. Collingwood, **35**, 326, 333

GARRY, Prof. R. C., Nervous control of movements of the alimentary canal, **34**, 197, **35**, 330
Gastric movement in the ruminant, Dr. A. T. Phillipson, **35**, 330
GEDDES, Dr. A., Population change in India, **35**, 328
Geological Research, aspects of, Dr. J. E. Richey, **34**, 122, **35**, 327
Geological structures, geometrical projection of, Dr. W. D. Gill, **35**, 327
Geology, a hundred years of, Sir E. Bailey, F.R.S., **33**, 9
of Belfast district, Prof. J. Kaye Charlesworth, **35**, 327
German economic policy since 1948, H. C. Hillmann, **35**, 329
GIBSON, W. N., Exotic conifers, **35**, 331, 335
GILBERT, Dr. G. A., Enzymes for building starches, **35**, 327
GILL, Dr. W. D., Ecometrical projection of geological structures, **35**, 327
GILLOTT, J. E., Manx slates, **35**, 327
GILMOUR, J. S. L., Taxonomy since 1851, **33**, 70
Glacial refuges in Ireland, Dr. A. Farrington, **35**, 328
GOLDACRE, Dr. R. J., Tail of Amoeba in locomotion and division, **35**, 327, 333
GOTTO, R. V., Ascidicolous Copepods, **35**, 328
GRAHAM, Mrs. J. M., Transhumance in Ireland, **35**, 328
GRAY, Dr. J. A. B., Initiation of impulses at sensory endings, **35**, 330, 334, **36**, 427
GREEN, F. H. W., Local transport in W. Europe, **35**, 328, 334
Gynospore or megaspore, Prof. J. Doyle, **35**, 331

HAMILTON, Marquess of, Estate forestry, N. Ireland, **35**, 331
HANSON, Dr. E. J., Muscle cytology, **35**, 330, 334
HARPER, J. C., Ordovician succession west of Drogheda, **35**, 327, 333
HARPER, Dr. R., Agriculture, new techniques, **35**, 330, 335
HARRIS, Dr. H., Human biochemical genetics, **35**, 330
HARRISON, Prof. D. C., Familial methaemoglobinaemia, **35**, 330

HARRISON, Dr. J. Heslop, Nymphaea alba L., **35**, 331
HARRISON, K., Education of backward children, **35**, 332, 335
HARTLEY, A. C., Oil in peace and war, **36**, 355
HARTNETT, P. J., Excavations at Fourknocks, Co. Meath, **35**, 329
Hepatic injury, Prof. H. W. Rodgers, **35**, 330
Heretics, a plea for, Prof. A. MacBeath, **35**, 262
HERIVEL, J. W., Entropy, **35**, 326
HESLOP-HARRISON, Dr. J., Modern distribution of Irish plants, **35**, 328
HEVESY, Prof. G. de, Radioactive indicators in vascular studies, **33**, 57
HICK, Dr. W. E., Skill and the airman, **35**, 330, 334, **36**, 381
High frequency discharges in gases, Dr. A. von Engel, **35**, 326
HILL, Mrs. A. V., Emotional changes in old age, **35**, 330, **36**, 409
HILL, Prof. A. V., Ethical dilemma of science, **34**, 93
Factors involved in the design of muscles, **35**, 320
HILL, D. A., Land use in E. Ulster, **35**, 328
HILL, Dr. M. N., Seismic prospecting, **35**, 326, 332
HILL, Dr. Rowland, Synthetic-polymer fibres, **35**, 326, 333
HILLMANN, H. C., German economic policy since 1948, **35**, 329
HIMMELWEIT, Dr. H. T., Personality tests, **33**, 84
History, archaeology, and petrology, E. M. Jope, **35**, 329, **36**, 432
HOBLYN, Dr. E. H. T., Chemical engineer in industry, **35**, 329, 334
HOLLY, K., Weed control in flax, **35**, 331, 335
HOLT, S. J., Foraging activity of wood ants, **35**, 327
HOLTTUM, Prof. R. E., Tropical monocotyledons, **35**, 331
Honey-bees, behaviour of workers, Dr. C. G. Butler, **35**, 327, 333
language of, C. R. Ribbands, **35**, 327, 333
HOPKINSON, Dr. R. G., Subjective judgments, **35**, 331, 335
Hormones and skin replacement, Dr. W. S. Bullough, **35**, 327, 333
HUGHES, Dr. G. M., Insect leg, neuromuscular mechanism, **35**, 330
Human biochemical genetics, development, Dr. H. Harris, **35**, 330; Prof. L. S. Penrose, **35**, 330
HURST, J. G., Study of villages deserted in Middle Ages, **35**, 329

ILLINGWORTH, Prof. C. F. W., Epidemiology of peptic ulcer, **35**, 330, 335
India, population change, Dr. A. Geddes and A. T. A. Learmonth, **35**, 328
Indicator plants in afforestation, J. M. B. Brown, **35**, 331
Industrial accidents, psychology of, C. A. Oakley, **33**, 83
Industrial problems facing government of N. Ireland, B. J. Ahern, **35**, 328, **36**, 391
Industrial psychology, field research, Dr. C. B. Frisby, **33**, 83
Industry, location of in N. Ireland, principles, Prof. W. Smith, **35**, 328, 334, **36**, 388
vis-à-vis U.K., N. Cuthbert, **35**, 328
Ingleton coalfield, unconformity, T. D. Ford, **35**, 327
INGOLD, Prof. C. T., Spore discharge in higher fungi, **35**, 331
Initiation of impulses at sensory endings, Dr. J. A. B. Gray, **35**, 330, 334, **36**, 427
Inner Ear, Dr. Hallowell Davis, **35**, 330, 334, **36**, 420
Inorganic chemistry, advances, Prof. A. R. Ubbelohde, **35**, 326, **36**, 370
Insect-leg, neuro-muscular mechanism of, Dr. G. M. Hughes, **35**, 330
Intelligence of urban children, N. Ireland, W. H. L. Thornberry, **35**, 332
Intelligence test scores, effect of practice on, A. Yates, **35**, 330
Intelligence tests, sociological surveys, Dr. J. Maxwell, **33**, 85
Interbasaltic laterites in Co. Antrim, V. A. Eyles, **35**, 327, 333
Ionic constituents in gaseous discharges, Dr. R. L. F. Boyd, **35**, 326
Ionic oscillations, Prof. K. G. Emeleus, **35**, 326
Ionised layers, morphology of, W. R. Piggott, **35**, 326
Irish folk-life, some international relationships, A. T. Lucas, **35**, 329
Irish Late Bronze Age gold, Dr. J. Raftery, **35**, 329
Irish plants, distribution of, and historical problems, Dr. J. Heslop-Harrison, **35**, 328
Irish stone roof in churches, Dr. H. G. Leask, **35**, 330
Irish worker and English industry, J. Clews, **35**, 328, 334
Item selection and test reliability, J. McGilton, **35**, 330

JACK, Prof. D. T., Full employment in retrospect, **34**, 159, **35**, 328
JAMES, Prof. E. O., Archaeology, folklore, and sacred tradition, **34**, 184, **35**, 329
JONES, C. D. Glynne, Chemoreception in the honey-bee, **35**, 327, 333
JONES, Dr. Emrys, Social geography of Belfast, **35**, 328
JONES, Prof. F. Llewellyn, Electrical breakdown of gases, **35**, 326
JONES, Keith, Agrostis, cytology of British species, **35**, 331, 335
JOPE, E. M., History, archaeology, and petrology, **35**, 329, **36**, 432
JOYSEY, K. A., Echinoderm populations, evolution and growth, **35**, 327
Juvenile delinquent in the Forces, Dr. J. C. Penton, **35**, 331

KAPP, Prof. R. O., Transmission line constants, **35**, 329
KEITH, Dr. H. D., Surface reduction of silver halide crystals, **35**, 326, 332
KEITH-LUCAS, D., Shape of wings to come, **35**, 315, 329, 334
KEITH, Prof. G. W., Inheritance of pathogenicity in Venturia inaequalis, **33**, 39
KERR, Sir John Graham, F.R.S., Edinburgh in the history of zoological science, **33**, 19
Kidney in control of body water, Dr. J. A. Barclay, **33**, 66
Kin and neighbourhood, N. Ireland, J. M. Mogey, **35**, 329
Kingship ritual, the Rt. Hon. the Lord Raglan, **35**, 330, 334
KNIGHT, Prof. Rex, Psychology of motivation, **33**, 82
KNOWLER, H., Development of flying boat air liner, **35**, 329, 334
KON, Dr. S. K., Antibiotics in animal nutrition, **35**, 330, 335

LACY, Dr. E. D., Volcanic glasses, **35**, 327
LAIRD, A. J., Psychology of motivation, **33**, 82
Lamellibranch muscle, Dr. J. Lowy, **35**, 330, 335
LAMONT, Dr. A., Trilobites, ecology of, **35**, 327, 333
LANE, E. V., Development of British rubber industry, **35**, 328, 334
LANNER, J., Bank rate and London money market, **35**, 329
LAWLOR, Miss M. M., Personal preference, **33**, 83
LAWTON, R., nineteenth century muster list of Craven, Yorks, **35**, 328
Leader strokes of lightning discharges, C. E. R. Bruce, **35**, 326
LEARMONTH, A. T. A., Population change in India, **35**, 328
LEASK, Dr. H. G., Irish stone roof in churches, **35**, 330
Leptasterias islandica, biology of, G. Williams, **35**, 328
LLOYD, Maj.-Gen. C., Higher technological education, **35**, 332, 335

Loch of Reiff, biology of, J. Drinkwater and Miss D. Ballantine, **35**, 328
LOCKSPEISER, Sir Ben, Aeronautical science and engineering, **34**, 171, **35**, 329
Lough Foyle, biology of, Dr. Helen Blackler and Mrs. N. MacMillan, **35**, 328, 333
Lough Ine, fauna, Dr. F. J. Ebling, **35**, 328, 333
hydrography, J. F. Sloane, **35**, 327, 333
Prof. L. P. W. Renouf, **35**, 327
Lough Neagh basin, structure of, A. Fowler, **35**, 327
LOVERN, Dr. J. A., Chemistry of fish processing, **35**, 326, 333
LOWY, Dr. J., Lamellibranch muscle, **35**, 330, 335
LUCAS, A. T., Irish folk-life, **35**, 329

MACBEATH, Prof. A., A plea for heretics, **35**, 262
MCCOURT, Dr. D., Rundale system in Ireland, **35**, 329
MACDONALD, J., Modern nursery technique, **35**, 331, 335
MACDONALD, J. A. B., Pinus contorta, **35**, 331
MACE, Prof. C. A., Psychology and the laity, **30**, 204
Resistance to change, **35**, 330, 335
MCEWEN, P., Cerebral function in brain-stem injury, **35**, 331
MCGILTON, J., Item selection and test reliability, **35**, 330
MCKERROW, W. S., Lower palaeozoic rocks of Killaney harbour, **35**, 327
MCMAHON, D., Educational selection, **33**, 85
MACMILLAN, Mrs. N., Biology of Lough Foyle, **35**, 328, 333
MACNEILL, Col. Niall, Irish dragonflies, **35**, 328, 333
Magallanes and Aysen, S. Chile, settlement changes, Dr. G. J. Butland, **35**, 328
MANISTRE, B. E., Metamorphic rocks of Ox mountains, **35**, 327
Manx, agricultural landscape, J. D. Birch, **35**, 328
Slates, J. E. Gilloth, **35**, 327
Marine algae, growth of, Prof. J. Bayley Butler, **35**, 331
Marinogammarus, ecology of, C. Edwards, **35**, 328
MATTHEW, J. A., Moisture absorption by fibres, **35**, 326
MAXWELL, Dr. J., Intelligence tests in social surveys, **33**, 85
Megalithic colonisation of N.E. Ireland, E. Watson, **35**, 329
Melampsora lini, physiologic specialisation, Dr. A. G. Arif, **35**, 331
MEREDITH, F. W., Servo mechanisms in aircraft, **35**, 329, 334
MEREDITH, Prof. G. P., Basic mental operations, **35**, 330
MEREDITH, Prof. H. O., Fifty years of economics, **35**, 328
Metabolism, anatomy of in higher plants, Prof. M. Thomas, **34**, 219, **35**, 331
Metamorphic rocks of Ox mountains, B. E. Manistre, **35**, 327
Middle Ages, study of villages deserted in, J. G. Hurst, **35**, 329
MITCHELL, G. F., Immigration of fauna and flora into Ireland in glacial times, **35**, 328
Vegetational environmental studies, **35**, 329, **36**, 430
MOGEY, J. M., Kin and Neighbourhood, N. Ireland, **35**, 329
Rural community, N. Ireland, **35**, 330
Moisture absorption by fibres, J. A. Matthew, **35**, 326
Moisture relations and clothing comfort, Dr. A. B. D. Cassie, **35**, 325, 332
Monocotyledons, tropical, sympodial habit in, Prof. R. E. Holttum, **35**, 331
Monomorium pharaonis (L), cytology of, I. C. Smith, **35**, 327
MOORE, R. L., Pedestrian choice and judgment, **35**, 331, **36**, 400

Moorland afforestation, J. W. L. Zehetmayr, **35**, 331, 335
MORGAN, Dr. C. Grey, Cold electron emission, **35**, 326
MORRISON, Prof. J., Animal husbandry, **35**, 332, 335
MORTON, J. E., Ciliary feeders, digestive mechanisms, **35**, 328
Motivation, psychology of, Prof. A. Rex Knight, A. J. Laird, **33**, 82
Mourne mountains, erosion surfaces, V. B. Proudfoot, **35**, 328
tunnel in, J. A. Robbie, **35**, 327
MURPHY, G. J., Ordovician rocks, Co. Waterford, **35**, 327
MURRELL, K. F. H., Fitting the job to the sailor, **35**, 330, 335
Muscle cytology, Dr. E. J. Hanson, **35**, 330, 334
Muscle, factors involved in design of, Prof. A. V. Hill, **35**, 330
MUSKETT, Prof. A. E., Agricultural education and research, **35**, 332
Flax and seed health, **35**, 331

Naturally-occurring fibres, Dr. A. J. Turner, **35**, 326, 333
Natural-polymer fibres, Dr. A. R. Urquhart, **35**, 326
NEILL, D. G., Study of an election, N. Ireland, **35**, 329, 334
Neolithic pottery in N. Ireland, A. E. P. Collins, **35**, 329
Neurology, psychological problems, O. L. Zangwill, **33**, 86
NEVILLE, Prof. E. H., A code for tree structure, **35**, 326
NEWITT, Prof. D. M., Training of chemical engineers, **35**, 329, 334
Nursery technique, J. Macdonald, **35**, 331, 335
Nymphaea alba L., Dr. J. Heslop Harrison, **35**, 331

OAKLEY, C. A., Psychology of industrial accidents, **33**, 83
Officers and Council, 1952–3, **34**, 92
Officers, Belfast Meeting, 1952, **35**, 351
Edinburgh Meeting, **33**, 87
Oil in peace and war, A. C. Hartley, **36**, 355
Old age, adjustment to, Miss S. R. Burstein, **35**, 330
emotional changes in, Mrs. A. V. Hill, **35**, 330, **36**, 409
thinking about, Dr. J. A. Oliver, **35**, 330
OLDFIELD, Prof. R. C., Experiment in psychology, **33**, 82
Olfactory stimulation in the mammal, Dr. E. D. Adrian, **35**, 330
OLIVER, Dr. J. A., Thinking about old age, **35**, 330
Oocyte nuclei, amphibian, Prof. H. G. Callan, **35**, 327, 333
Ordovician rocks, Co. Waterford, G. J. Murphy, **35**, 327
succession, west of Drogheda, Dr. J. C. Harper, **35**, 327, 333
Organic chemistry, progress in, Dr. D. H. R. Barton, **35**, 326, **36**, 368
Origin of life, Miss Aileen Forrest, **33**, 45
Overseas dominions, settlement in, Prof. R. Ogilvie Buchanan, **34**, 149, **35**, 328
OXFORD, Dr. A. E., ciliate Protozoa in ruminant digestion, **35**, 328, 333

PAGET, Sir R., Education of totally deaf, **35**, 332, **36**, 437
Palaeozoic rocks, lower, Killany harbour, W. S. McKerrow, **35**, 327
PARKIN, K. F., Forests in N.W. America, **35**, 331
Parthenogenesis, some problems, Prof. A. D. Peacock, **34**, 134, 327
PATTERSON, E. M., Basalt lavas, Antrim plateau, **35**, 327
Peace, influences in keeping the, Dr. L. F. Richardson, **35**, 330, 335
PEACE, T. R., Poplar varieties, **35**, 331
PEACOCK, Prof. A. D., Some problems of parthenogenesis, **34**, 134, 327
PEAR, Prof. T. H., Social Psychology of everyday life, **33**, 85
Peatland reclamation, E. G. Sherrard, **35**, 331, 335
Pedestrian choice and judgment, R. L. Moore, **35**, 331, **36**, 400
PENROSE, Prof. L. S., Human biochemical genetics, **35**, 330
PENTON, Dr. J. C., Juvenile delinquent in the Forces, **35**, 331
Peptic ulcer, epidemiology, Prof. C. F. W. Illingworth, **35**, 330, 335
Periodic system, Dr. S. I. Tomkeieff, **35**, 327
Personality, assessment of, Prof. P. E. Vernon, **34**, 207, **35**, 330
tests, Dr. H. T. Himmelweit, **33**, 84
Personal preference, and standard of judgment, Miss M. M. Lawlor, **33**, 83
Peruvian of Grange, Co. Tyrone, A. Fowler, **35**, 327
Pharaoh's Ant, colony formation, Dr. J. H. Sudd, **35**, 327
PHEMISTER, Miss M. A., Judgment of spatial direction, **35**, 331
Phenylketonuria, Dr. Valerie Cowie, **35**, 330, 334
PHILLIPS, Miss A. J., Concept of family life, **35**, 332
PHILLIPSON, Dr. A. T., Gastric movement in the ruminant, **35**, 330
Phosphate content of soils, K. D. M. Dauncey, **33**, 33
Physics of high atmosphere, **35**, 332
of upper atmosphere, Prof. A. R. Bates, **35**, 287, 326, 332
Physiological problems of military aircraft, Gp. Capt. W. K. Stewart, **35**, 330, 335, **36**, 378
PICKFORD, Dr. Mary, Release of antidiuretic hormone, **33**, 62
PICKFORD, Dr. R. W., Colour vision, **33**, 82
Pinus contorta, J. A. B. Macdonald, **35**, 331
PIGGOTT, W. R., Morphology of ionised layers, **35**, 326
PIMLOTT, J., History of Afforestation in N. Ireland, **35**, 297, 331
PIRENNE, Dr. M. H., Visual excitation, **35**, 330, 335, **36**, 425
Pleistocene, British, physical conditions of, Prof. J. K. Charlesworth, **35**, 328
S. Africa, climatic sequence, Dr. O. Davies, **35**, 329
Polysaccharides of medical importance, Prof. M. Stacey, **35**, 326
Poplar varieties, T. R. Peace, **35**, 331
Potato leaves, water uptake from fog, Prof. O. M. Roberts, **35**, 331
PRINGLE, A. V., Textile engineering, **35**, 329
Problems and Responsibilities, J. A. S. Stendall, **35**, 305
Processing of fats, P. N. Williams, **35**, 326, 333
PROUDFOOT, V. B., Erosion surfaces in Mourne mountains, **35**, 328
Psychiatry, experimental studies, Dr. S. Crown, **33**, 86
Psychological clinic, scientific tasks for, Dr. J. D. Sutherland, **33**, 86
Psychology and Laity, Prof. C. A. Mace, **30**, 204
Psychology, child, Dr. G. Seth, **35**, 330
clinical, **33**, 86
educational, **33**, 85
experiment, Prof. R. C. Oldfield, **33**, 82
general, **33**, 82
occupational, **33**, 83
teaching of, Prof. J. Drever, **33**, 82
Publication, references to, **35**, 332
Public health in primitive communities, Miss S. R. Burstein, **33**, 75

Quantitative evolution, Prof. J. Small, **35**, 331

Radioactive indicators in vascular studies, Prof. G. de Hevesy, **33**, 57
RAE, Prof. R., Farmer's attitude to new methods, **35**, 330, 335
RAFTERY, Dr. J., Irish Late Bronze Age, gold, **35**, 329
RAGLAN, Rt. Hon. the Lord, Kingship ritual, **35**, 330, 334
READ, Prof. John, F.R.S., Alchemy and alchemists, **33**, 25
REBBECK, Dr. Denis, Ship-building in Belfast, **35**, 329, 334
Remedial education, psychology of techniques, Dr. W. D. Wall, **33**, 85
RENDEL, D. G. A., Engineering problems of conditioning aircraft for human occupation, **35**, 330, 335, **36**, 383
RENOUF, Prof. L. P. W., Ecological observations on sponges, **35**, 328
Lough Ine, Co. Cork, **35**, 327
Resistance to change, **35**, 335
RIBBANDS, C. R., Language of honey-bees, **35**, 327, 333
RICHARDSON, Dr. L. F., Keeping the peace at short range, influences, **35**, 330, 335
RICHEY, Dr. J. E., Some aspects of geological research, **34**, 122, **35**, 327
ROACH, Dr. F. E., Upper atmospheric conditions, **35**, 326
Road accidents, **36**, 395
Road behaviour of vehicle drivers, Dr. R. J. Smeed, **35**, 331, **36**, 395
ROBBIE, J. A., Mourne mountains, tunnel in, **35**, 327
ROBERTS, Prof. O. M., Potato leaves, water uptake from fog, **35**, 331
Rockets, high altitude research, Dr. S. F. Singer, **35**, 326, 332
RODGER, A., Vocational guidance in Britain, **33**, 84
RODGERS, Prof. H. W., Hepatic injury, **35**, 330
Root apices, life span of, Dr. H. E. Street, **35**, 331, 335
Rubber industry, British, development of, E. V. Lane, **35**, 328, 334
Rundale system in Ireland, Dr. D. McCourt, **35**, 329
Rural community in N. Ireland, J. M. Mogey, **35**, 330

SAMUEL, Rt. Hon. Viscount, Problem of an ether, **33**, 30
Science and an expanding agriculture, Sir W. Slater, **35**, 273
Scots pine, reproductive development, Dr. P. F. Wareing, 35, 331
Scottish tertiary flora, Dr. F. B. Simpson, **35**, 331
SEARLE, Major G. O., The botany of flax, **35**, 331
Sectional Transactions, Belfast 1952, **35**, 326
Seismic prospecting, Dr. M. N. Hill, **35**, 326, 332
Seismology, Report of Committee, **35**, 322
Servo mechanisms in aircraft, F. W. Meredith, **35**, 329, 334
SETH, Dr. G., Child psychology, **35**, 330
SHACKLE, Prof. G. L. S., Economics and sincerity, **35**, 329, 334
Shape of Wings to Come, A. Keith-Lucas, **35**, 329, 334
SHERRARD, E. G., Peatland reclamation, **35**, 331, 335
SHIMMIN, Miss S. B. N., Attitudes towards personal ambition, **33**, 83
SHINNIE, P. L., Archaeological problems in central Sudan, **35**, 329
Ship-building in Belfast, Dr. Davis Rebbeck, **35**, 329, 334
Ships and servo mechanisms, Lt.-Comm, J. R. D. Walker, **35**, 329, 334
SHORTER, A. H., Field patterns in Devon, **35**, 328
Silica-glass, discovery of in W. Sahara, Dr. W. Campbell Smith, **35**, 327, 333
Silurian rocks, Co. Tipperary, R. N. Cope, **35**, 327
Silver halide crystals, surface reduction of, Dr. H. D. Keith, **35**, 326
SIMPSON, Dr. F. B., Scottish tertiary flora, **35**, 331
SINCLAIR, D. J., Productivity in the Scottish coalfields, geographical distribution, **35**, 328
SINGER, Dr. S. F., High altitude research with rockets, **35**, 326, 332
Skill and the airman, Dr. W. E. Hick, **35**, 330, 334, **36**, 381

SLATER, Sir William, Science and expanding agriculture, **35,** 273
SLOANE, J. F., Lough Ine, hydrography, **35,** 327, 333
SMAILES, A. E., Town and region in Ulster, Ballymena, **35,** 328, 334
SMALL, Prof. J., Quantitative evolution, **35,** 331
SMEED, Dr. R. J., Road behaviour of vehicle drivers, **36,** 331, **36,** 395
SMITH, I. C., Cytology of Pharaoh's Ant, **35,** 327
SMITH, Dr. W. Campbell, Discovery of silica glass in W. Sahara, **35,** 327, 333
SMITH, Prof. W., Location of industry in N. Ireland, **35,** 328, 334, **36,** 388
SMYTH, J. D., Egg-shell formation in Trematodes and Cestodes, **35,** 328
Social attitude research, Dr. H. J. Eysenck, **33,** 84
Social psychology of everyday life, Prof. T. H. Pear, **33,** 85
Space-time pictures and de Broglie waves, Prof. J. L. Synge, **35,** 326
Spatial direction, judgment of, Miss M. A. Phemister, **35,** 331
Sponges, ecological observations on, Prof. L. P. W. Renouf, **35,** 328
Spore discharge in higher fungi, Prof. C. T. Ingold, **35,** 331
STACEY, Prof. M., Biologically significant macromolecules, **35,** 271
Polysaccharides of medical importance, **35,** 326
Statically indeterminate structures, analysis of, T. M. Charlton, **35,** 329, 334
Steel, effect of shot peening on fatigue life of, J. G. H. Coombs, **35,** 329
STEENSBERG, Dr. Axel, Archaeological dating of climatic change *c.* A.D. 1300, **33,** 31
STENDALL, J. A. S., Problems and Responsibilities, **35,** 305
STEWART, D. A., Vibrated concrete, **35,** 329, 334
STEWART, Gp. Capt. W. K., Physiological problems of military aircraft, **35,** 330, 335, **36,** 378
STREET, Dr. H. E., Life span of root apices, **35,** 331, 335
Structured groups, social change in, Dr. A. T. M. Wilson, **33,** 84
Subjective judgments, Dr. R. G. Hopkinson, **35,** 331, 335
Sudan, archaeological problems, P. L. Shinnie, **35,** 329
SUDD, Dr. J. H., Colony formation in Pharaoh's Ant, **35,** 327
SUGDEN, Dr. Brenda, ciliate Protozoa in ruminant digestion, **35,** 328, 333
Surveying in archaeology, electrical methods, R. J. C. Atkinson, **33,** 36
SUTHERLAND, Dr. J. D., Scientific tasks for psychological clinics, **33,** 86
SUTTON-SMITH, B., Games of New Zealand children, **35,** 330, 334
SYNGE, Prof. J. L., Space-time pictures, **35,** 326
Synthetic-polymer fibres, Dr. R. Hill, **35,** 326, 333

Taxonomy, development of since 1851, J. S. L. Gilmour, **33,** 70
Tenant right in Ulster, Dr. C. R. Fay, **35,** 328
Termites, swarming behaviour, Prof. J. E. Webb, **35,** 327
Tertiary basalt lavas, Antrim, Dr. S. T. Tomkeieff, **35,** 327
Textile, engineering, A. V. Pringle, **35,** 329
fibres, Pakistan, Dr. Nazir Ahmad, **35,** 283
Theory of Functions, Dr. E. F. Collingwood, **35,** 326, 332
THOMAS, E. S., Education of backward children, **35,** 332
THOMAS, Prof. M., Anatomy of metabolism in higher plants, **34,** 219, **35,** 331
THOMPSON, G. B., Primitive farm transport, N. Ireland, **35,** 329
THORNBERRY, W. H. L., Intelligence of urban children, N. Ireland, **35,** 332
TOMKEIEFF, Dr. S. I., Periodic system, tertiary basalt lavas of Antrim, **35,** 327
Training, transfer of, A. C. Fraser, **35,** 330, 335
Transhumance in Ireland, Mrs. J. M. Graham, **35,** 328
Transmission line constants, calculation, Prof. R. O. Kapp, **35,** 329
Transport, troubles of, Prof. C. F. Carter, **35,** 329, 334
Treasurer's statement and account, 1951–1952, **35,** 343
Tree structure, a code for, Prof. E. H. Neville, **35,** 326
Trematodes and Cestodes, egg-shell formation, Dr. J. D. Smyth, **35,** 328
Trilobites, ecology of, Dr. A. Lamont, **35,** 327, 333
TURNER, Dr. A. J., Naturally-occurring fibres, **35,** 326, 333
TURRILL, Dr. W. B., University teaching of a botanist, **35,** 331, 335
TYNDALL, Prof. A. M., Contributions to experimental phsyics, **34,** 103, 326

UBBELOHDE, Prof. A. R., Advances in inorganic chemistry, **35,** 326, **36,** 370
Ulster, East, land use in, D. A. Hill, **35,** 328
town and region, A. E. Smailes, **35,** 328, 334
Underfit rivers, Dr. G. H. Dury, **35,** 328
Underdeveloped areas, land settlement in, Sir Geoffrey Evans, **33,** 51
Upper atmosphere radiations, Dr. F. E. Roach, **35,** 326
URQUHART, Dr. A. R., Natural-polymer fibres, **35,** 326
USSING, Prof. Hans H., Transport of electrolytes and water through living membranes, **33,** 60

Vegetational environmental studies, G. F. Mitchell, **35,** 329, **36,** 430
Venturia inaequalis, inheritance of pathogenicity in, Prof. G. W. Keith, **33,** 39
VERNON, Prof. P. E., Assessment of personality, **34,** 207, **35,** 330
Vertebrate fauna of Ulster, C. D. Deane, **35,** 328
Vibrated concrete, D. A. Stewart, **35,** 329, 334
Visual excitation, Dr. M. H. Pirenne, **35,** 330, 335, **36,** 425
Vocational guidance in Britain, A. Rodger, **33,** 84
Volcanic glasses, Dr. E. D. Lacy, **35,** 327
VOWLES, Dr. D. M., Behaviour patterns in ants, **35,** 327

Wales, S.W., growth and grading of towns, H. Carter, **35,** 328
WALKER, Lt. Comm. J. R. D., Ships and servo mechanisms, **35,** 329, 334
WALL, Dr. W. D., Remedial education, **33,** 85
WARDLAW, Prof. W., Advancing front of chemistry, **34,** 113, 326
WAREING, Dr. P. F., Scots pine, reproductive development, **35,** 331
WATERMAN, D. M., Excavations and study of castles in N. Ireland, **35,** 329
WATSON, E., Megalithic colonisation of N.E. Ireland, **35,** 329
WEATHERUP, W. J., Work of the Field Club, **35,** 327
WEBB, Prof. J. E., Swarming behaviour of termites, **35,** 327
WELFORD, A. T., Physical and mental skills of the aged, **35,** 330, 335, **36,** 412
Westmorland folk-lore, Prof. E. M. Wilson, **35,** 329
WILKIE, Dr. D. R., Frogs, men, snails, dogfish, **35,** 330
WILLIAMS, G., Leptasterias islandica, biology, **35,** 328
WILLIAMS, P. N., Processing of fats, **35,** 326, 333
WILSON, Dr. A. T. M., Social change in structured groups, **33,** 84
WILSON, Prof. E. M., Westmorland folklore, **35,** 329
WILSON, Dr. N. A. B., Psychology in the defence services, **33,** 83
Wood ants, foraging activity, S. J. Holt, **35,** 327
WOODWARD, Miss M., Social participation and childbirth, **35,** 330
WRIGHT, Dr. N. C., Britain's Food Supplies, **34,** 245, **35,** 332

YATES, A., Intelligence test scores, **35,** 330

ZANGWILL, O. L., Psychological problems of neurology, **33,** 86
ZEHETMAYR, J. W. L., Moorland afforestation, **35,** 331, 335
Zoological Science, Edinburgh in the history of, Sir J. G. Kerr, F.R.S., **33,** 19

dies, G. P.
of patho-
h, 33, 39
ssment of
D. Denne,
rt, 35, 329,
irenne, 33,
A. Rodger,
y, 35, 327
ir patterns
grading of
Ships and
34
education,
g front of
ne, repro-
and study
329
nisation of
the Field
ehaviour of
nd mental
5, 36, 412
F. E. M.
hen, snails,
islandica,
of fats, 33,
change in
rland foli-
logy in the
S. J. Holt,
articipation
Food Sup-
res, 35, 330
al problems
d afforesta-
gh in the
R.S., 33, 19